



# FEMA



Prepared by  
*Jennifer McNatt/Matt Anderson*

# FEMA Region 6 Weather Threat Briefing

Tuesday, June 4, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today and Wednesday

- **Severe thunderstorms and heavy rainfall/flash flooding possible across SE NM & W TX this afternoon/evening. Large hail and damaging winds are the main threats, and isolated tornado possible..**
- **Heavy rainfall/flash flooding possible across SE NM into W TX, as well as along the Middle TX Coast...and into over SE TX and LA late tonight into Wednesday.**

## Thursday – Saturday

- **Heavy rain/flash flooding possible from E OK through AR and LA.**
  - **On Thursday, flash flooding especially possible over SE LA (Atchafalaya Basin).**
- **Strong to severe storms are possible Thursday afternoon over much of SE TX and SW LA; hail and damaging wind gusts are the main threat.**

## Major River Flooding or Known Evacuations

- **The Arkansas River is cresting in major flood at Little Rock today.**
- **The Mississippi River is slowly rising and will crest next week.**

## Tropical Weather Outlook

- **An area of low pressure over the SW Gulf of Mexico has a 40% chance of development; moisture from this system will be moving into TX later today into Wednesday and spreading over eastern portions of the Region later this week.**

# FEMA Region 6 Threat Matrix

June 4, 2019 – Jun 8, 2019



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DAY / THREAT	TUE	WED	THU	FRI	SAT
Severe Storms	SE NM, W TX	E NM, W & NW TX	SE TX, SW LA		
Heavy Rain / Flash Flooding	SE NM, W TX, Middle TX Coast	SE TX	SE LA	E OK, AR, LA	AR, N LA
		E TX, LA, S AR	E TX, E OK, AR, LA		
Fire Weather					
Tropical Weather					
River Flooding	OK, AR	OK, AR	OK, AR	OK, AR	OK, AR
	LA	LA	LA	LA	LA
	TX	TX	TX	TX	TX

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

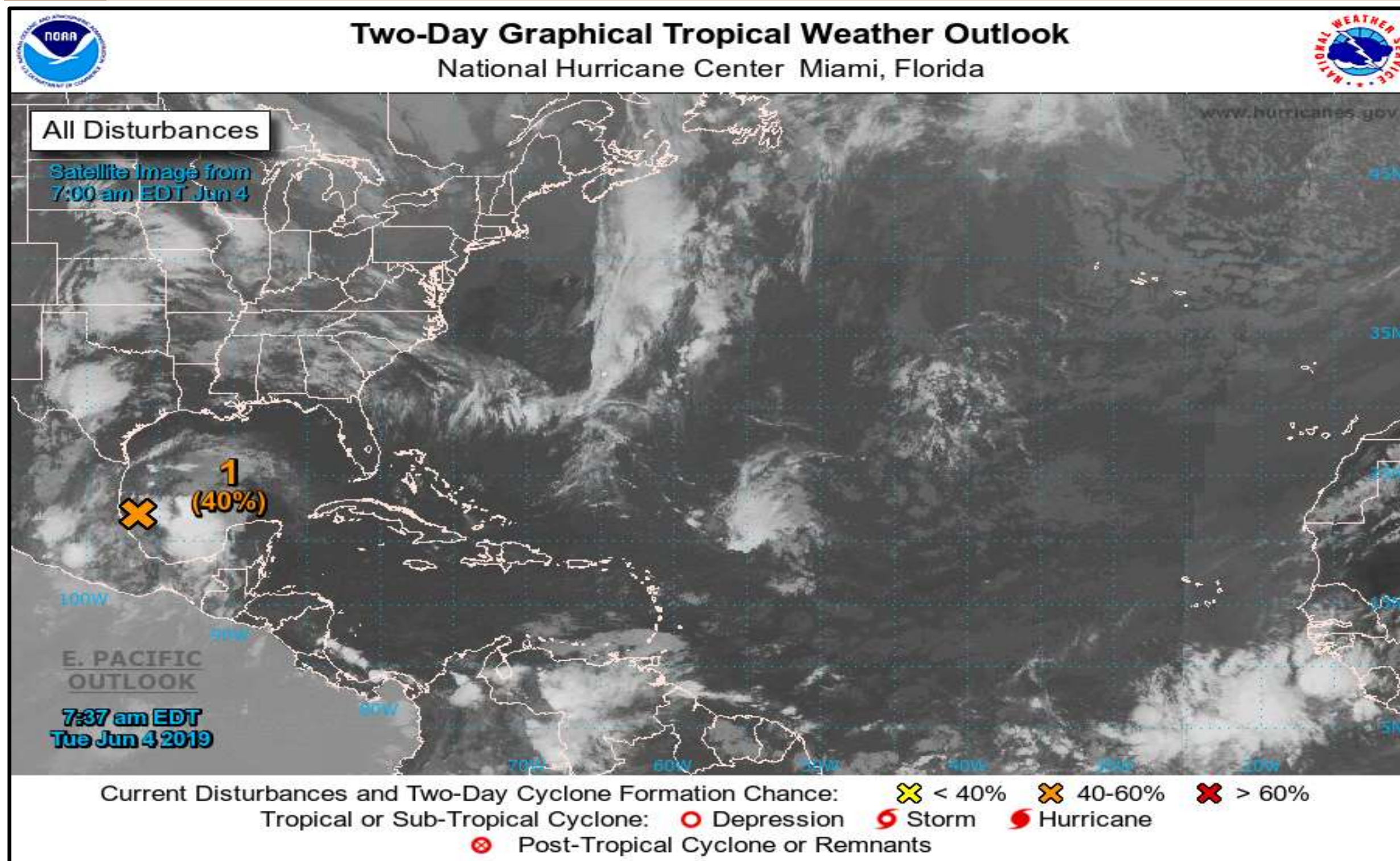
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



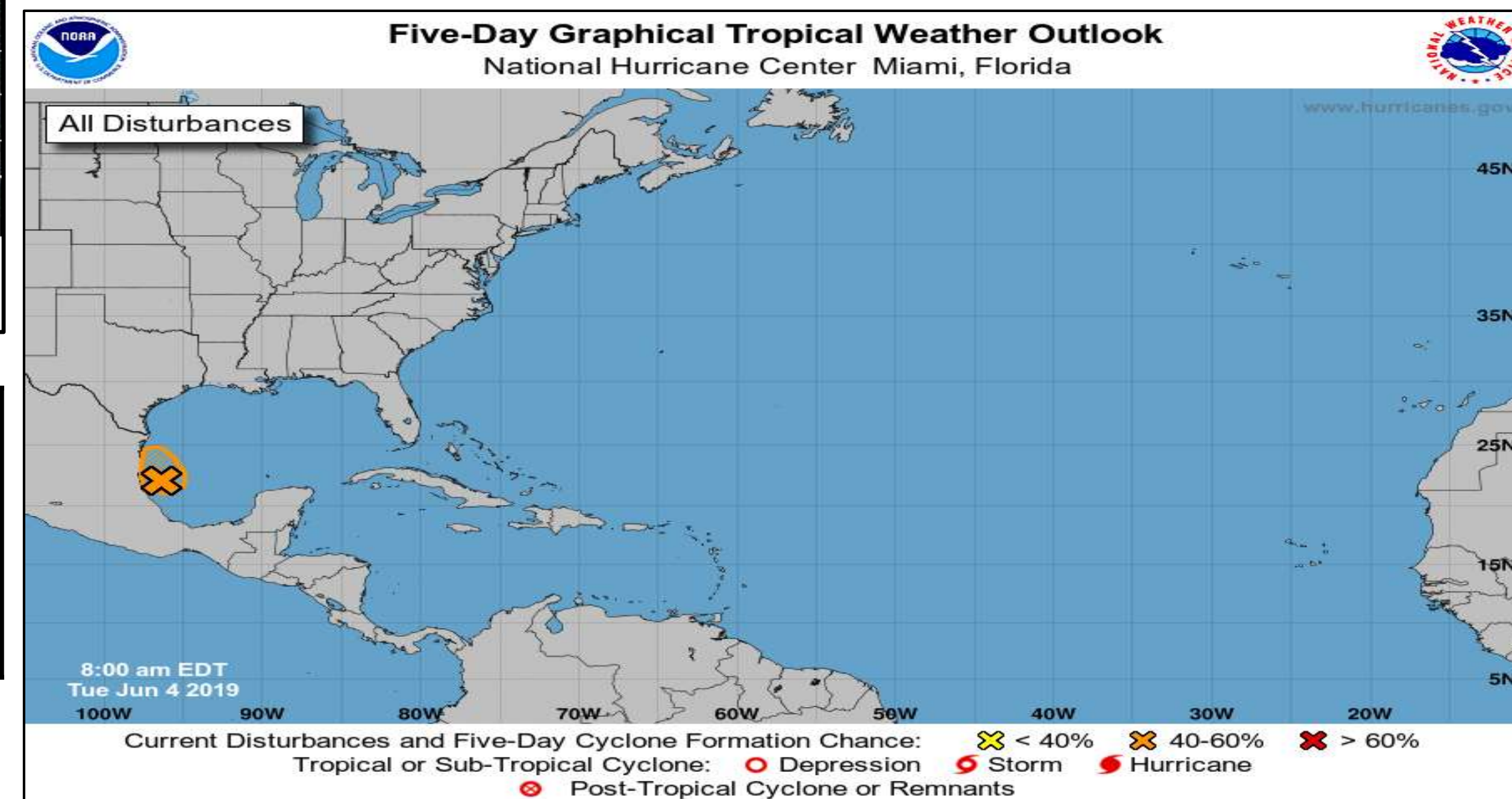
# Tropical Weather Outlook – Atlantic/Gulf



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**A broad area of low pressure over the SW Gulf remains disorganized. It will move slowly northwestward and could briefly become a tropical depression later today or tonight before it moves inland over the NE Coast of Mexico.**  
**Formation chance through 48 hours...medium...40 percent.**  
**Formation chance through 5 days...medium...40 percent.**



**This system looks to bring increased moisture/heavy rainfall to the western Gulf Coast over the next several days but other tropical impacts (wind, surge, etc) are not expected.**

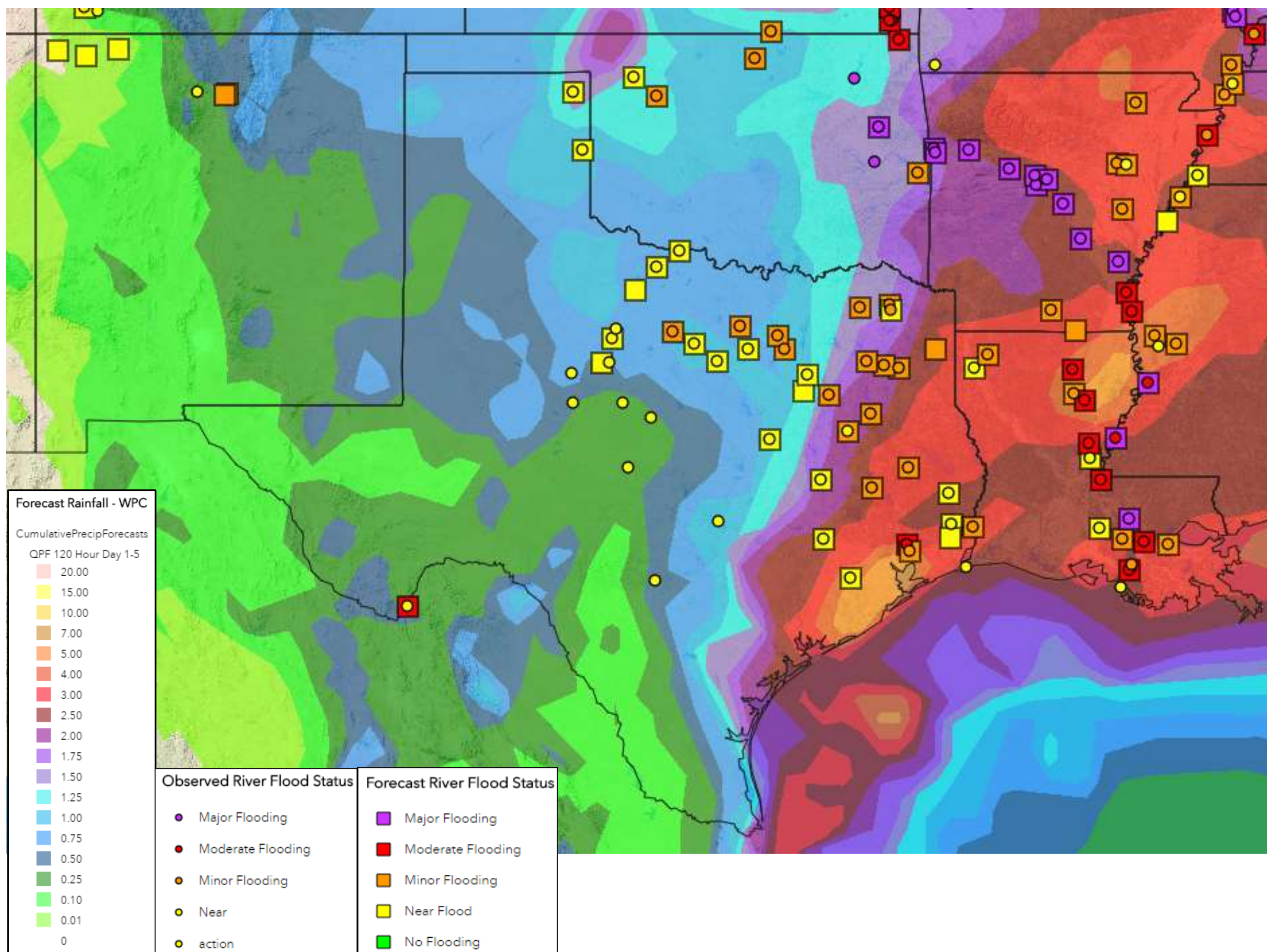


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**Rare, record flooding of the Arkansas River continues.**

- The river is cresting at Little Rock today, see next slide for details on other points along the River in AR.
- Rain later this week (depicted in the 5-day rainfall forecast to the left) will slightly prolong the ongoing flooding, but is not expected to create additional crests on the AR River.

**The Mississippi River will continue a slow rise into next week.**

- Near Arkansas City, a crest in moderate flood is expected early next week with mostly roads impacted.
- The USACE has delayed the potential opening of the Morganza Floodway until Thursday.
- The Atchafalaya River at Morgan City, LA is forecast to crest in the third week of June and the current forecast is the 3<sup>rd</sup> highest crest on record and the highest since May 2011. Buildings in Morgan City will be flooded, and river traffic restrictions strictly enforced.



# Arkansas River Flooding

Weather Forecast Office  
Little Rock, AR

Issued June 4, 2019 5:30 AM CDT



Location	Latest Stage	Flood Stage	Projected Crest	Crest Date	Flood Category (Current)
Van Buren	34.4 ft @ 04 AM	22.0 ft	FALLING!	Crested <b>R</b>	Major
Ozark	373.0 ft @ 04 AM	357.0 ft	FALLING!	Crested	Major
Dardanelle	44.4 ft @ 03 AM <b>R</b>	32.0 ft	FALLING!	Crested <b>R</b>	Major
Morrilton	42.8 ft @ 04 AM <b>R</b>	30.0 ft	STEADY	Cresting	Major
Toad Suck	285.3 ft @ 02 AM <b>R</b>	275.0 ft	285.3 ft <b>R</b>	Cresting	Major
Little Rock	29.3 ft @ 03 AM	23.0 ft	29.4 ft	Today	Major
Pine Bluff	50.3 ft @ 04 AM	42.0 ft	51.0 ft	June 5th	Major
Pendleton	36.0 ft @ 04 AM <b>R</b>	31.0 ft	37.0 ft <b>R</b>	June 7th	Major

**R = Record Crest**

**Water levels along the Arkansas River will remain high or continue to rise this week.  
Be prepared and keep up with the latest river stages and forecasts!**

<https://water.weather.gov/ahps2/index.php?wfo=lzk>



# Today's Weather



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## Forecast Chart

## Forecast Rainfall

**Slight risk of severe storms across SE NM into W TX. Damaging winds and hail are the main threats, an isolated tornado possible.**

**Heavy rainfall/flash flooding possible across SE NM into W TX, as well as along the Middle TX Coast.**

## Severe Weather Outlook

## Excessive Rainfall Outlook

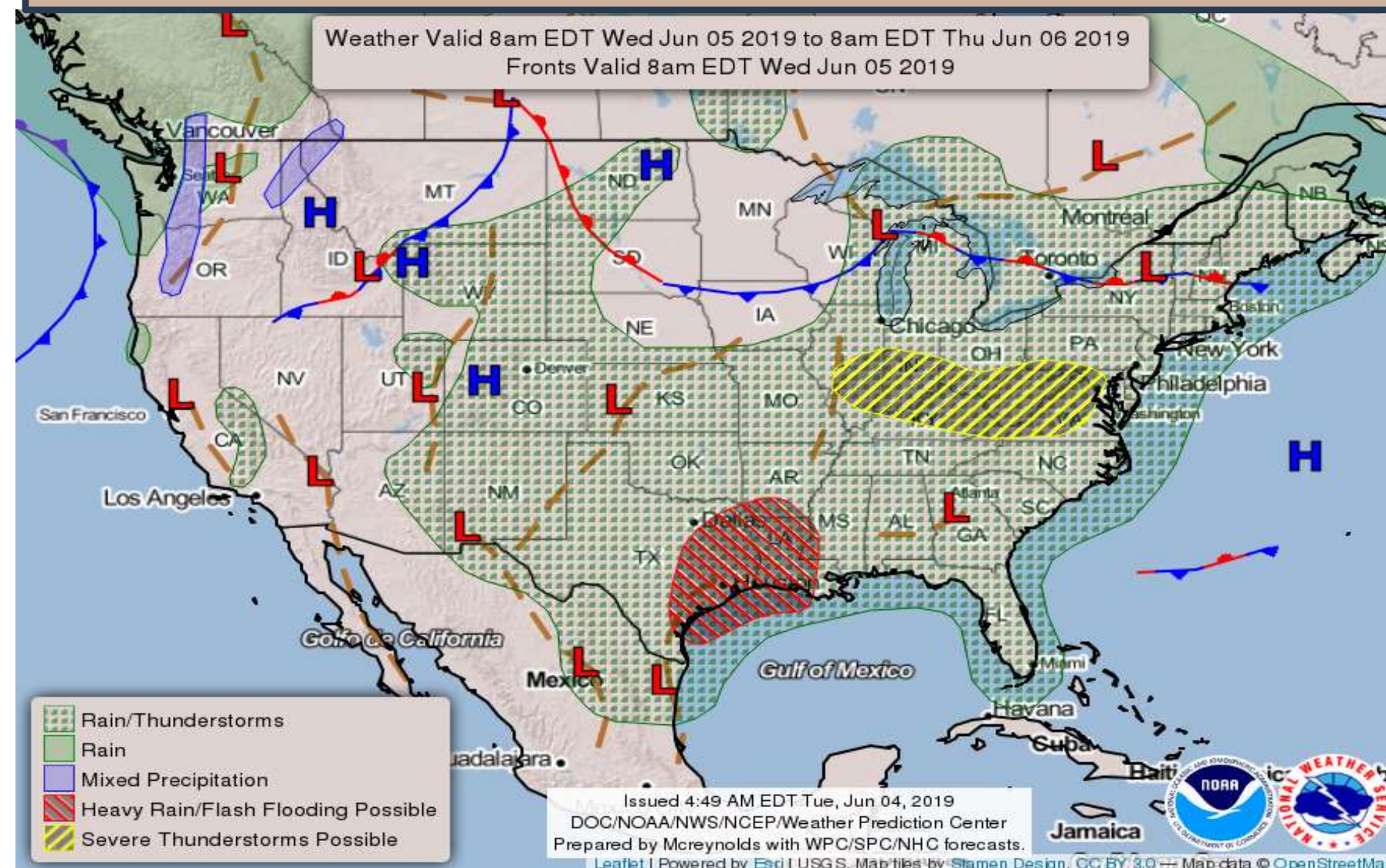


# Tomorrow's Weather



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## Forecast Chart



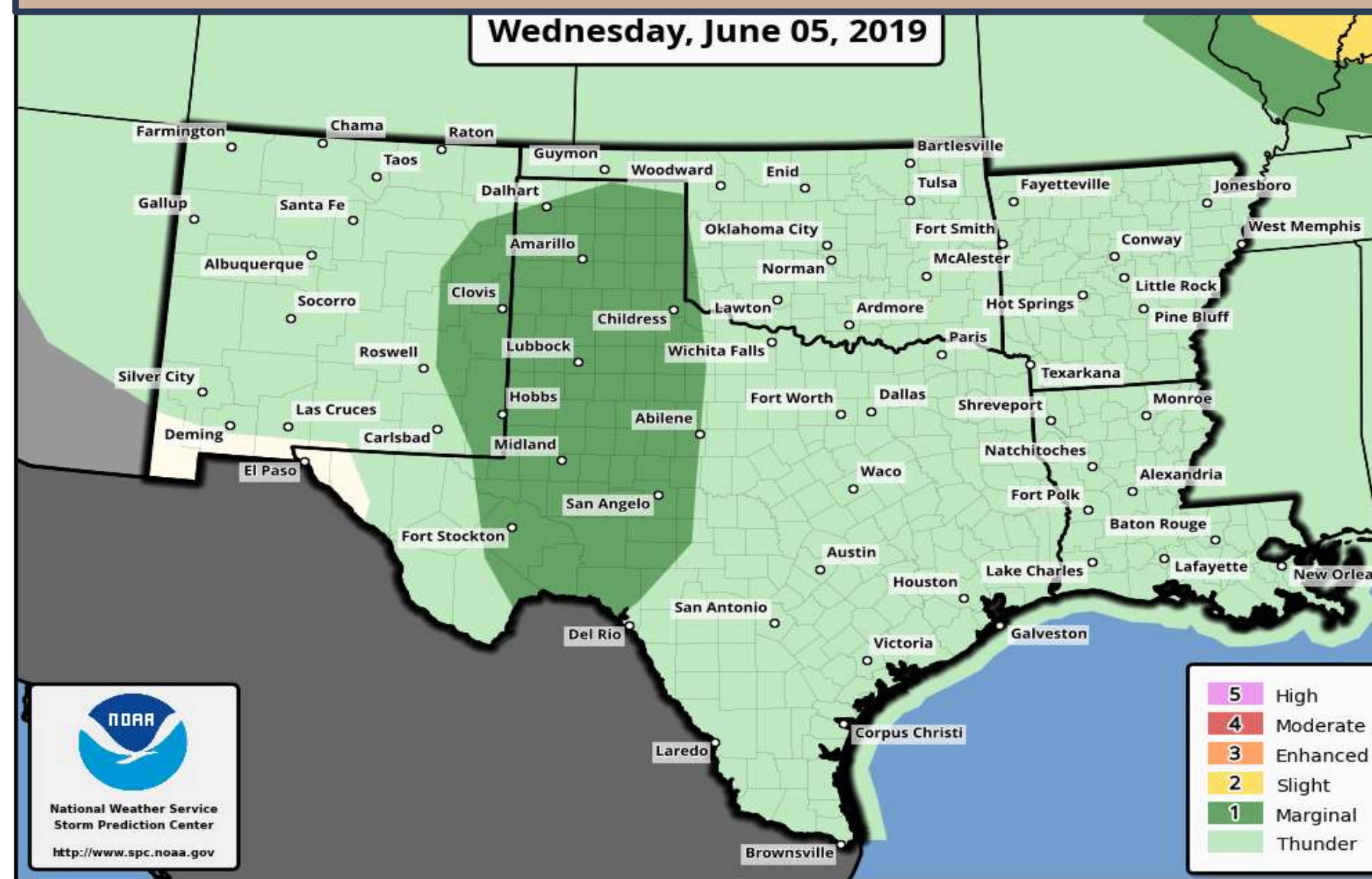
## Forecast Rainfall



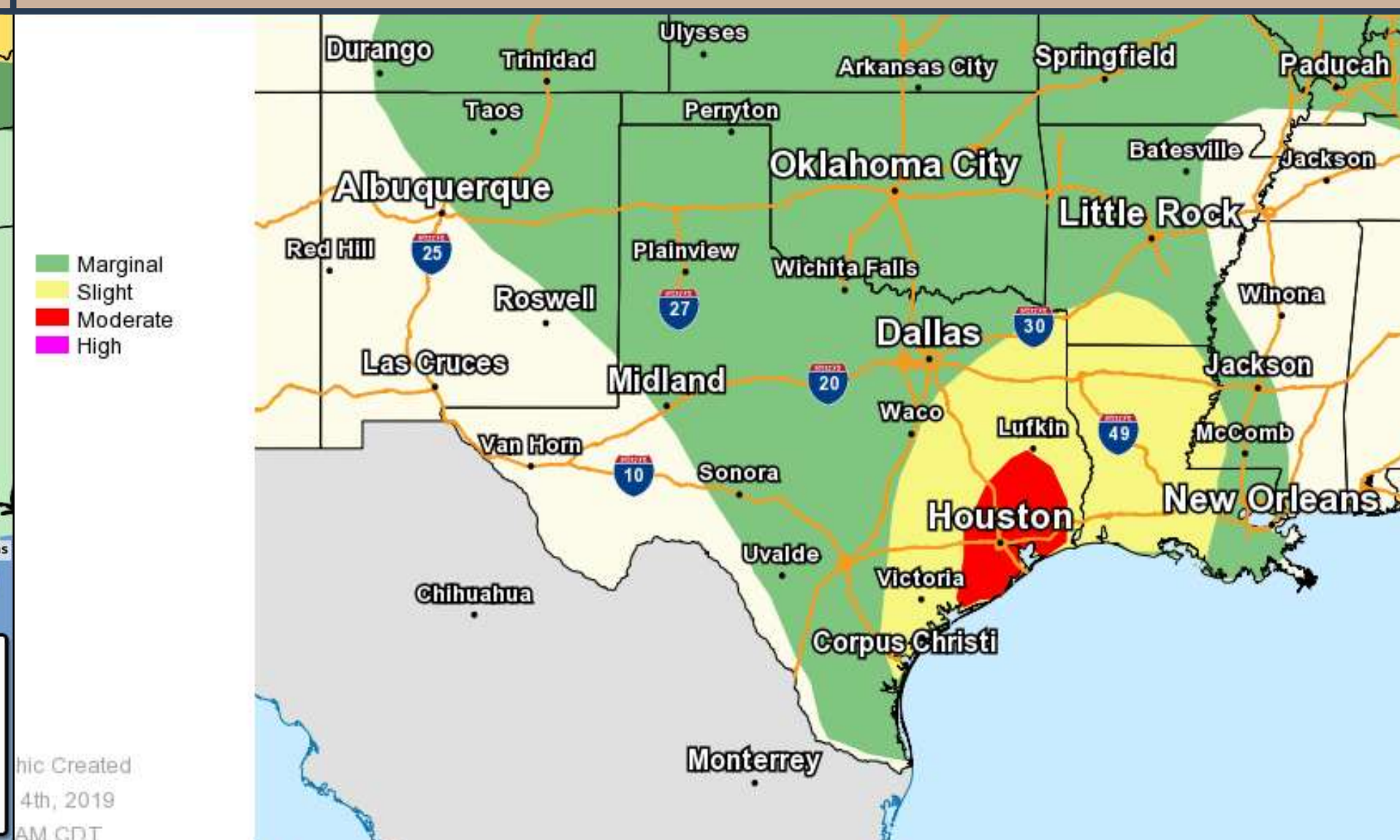
**Heavy rainfall/flash flooding possible over SE TX.**

**Isolated heavy rain/flash flooding is possible across much of E TX into the Middle TX Coast, LA and S AR.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



**Strong to severe storms are possible Wednesday afternoon and evening over E NM & W TX. Damaging wind gusts and hail are the main threats.**



# Thursday's Weather



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## Forecast Chart

## Forecast Rainfall

**Heavy rain/flash flooding possible from E OK through AR and LA.**

**The highest threat for flash flooding will be along the Atchafalaya River Basin in SE LA.**

## Severe Weather Outlook

## Excessive Rainfall Outlook

**Strong to severe storms are possible Thursday afternoon over much of SE TX and SW LA; hail and damaging wind gusts are the main threat.**

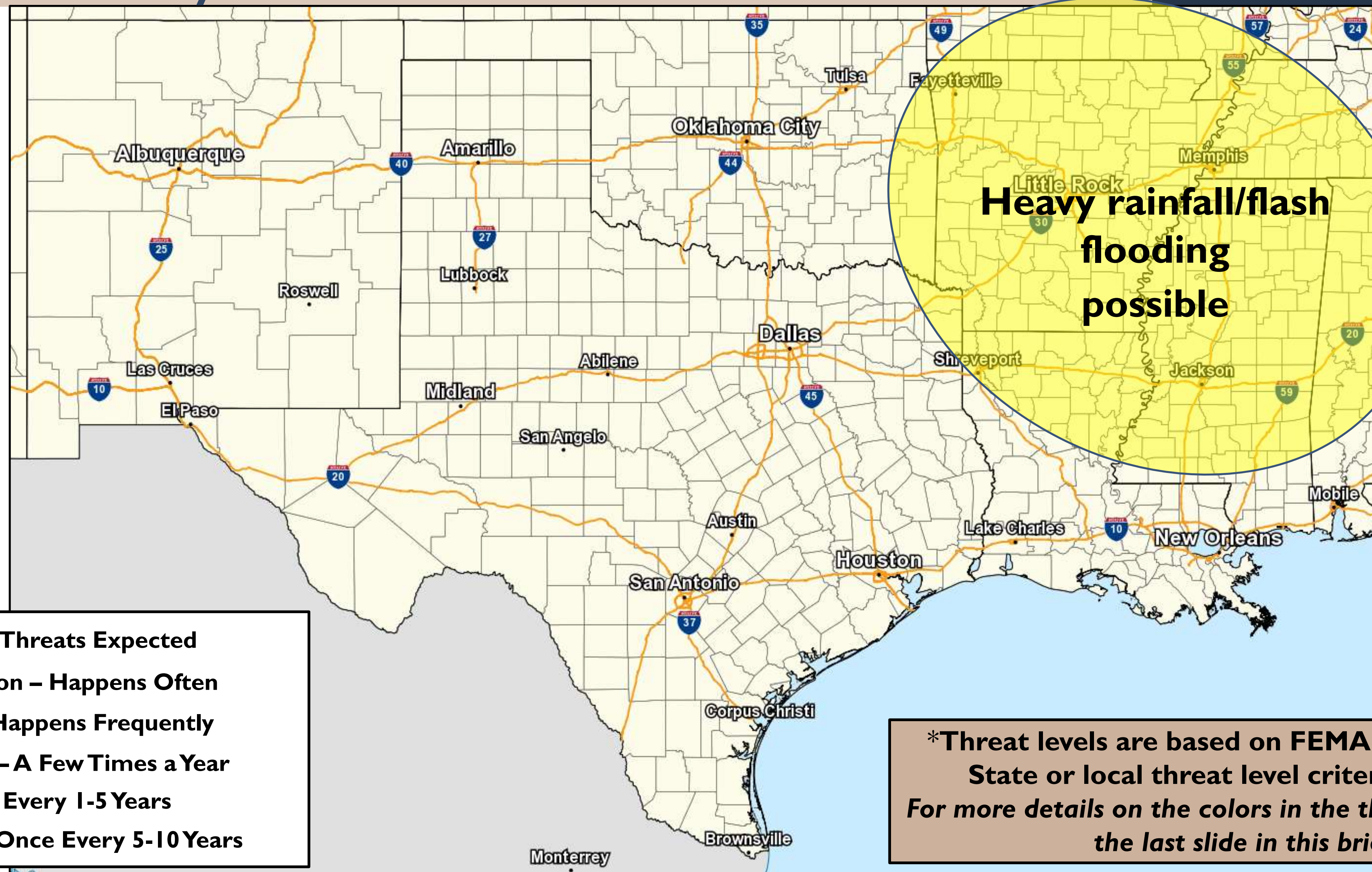


# Days 4-5 Weather Hazards

Friday – Saturday



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*For more details on the colors in the threat matrix refer to  
the last slide in this briefing.*

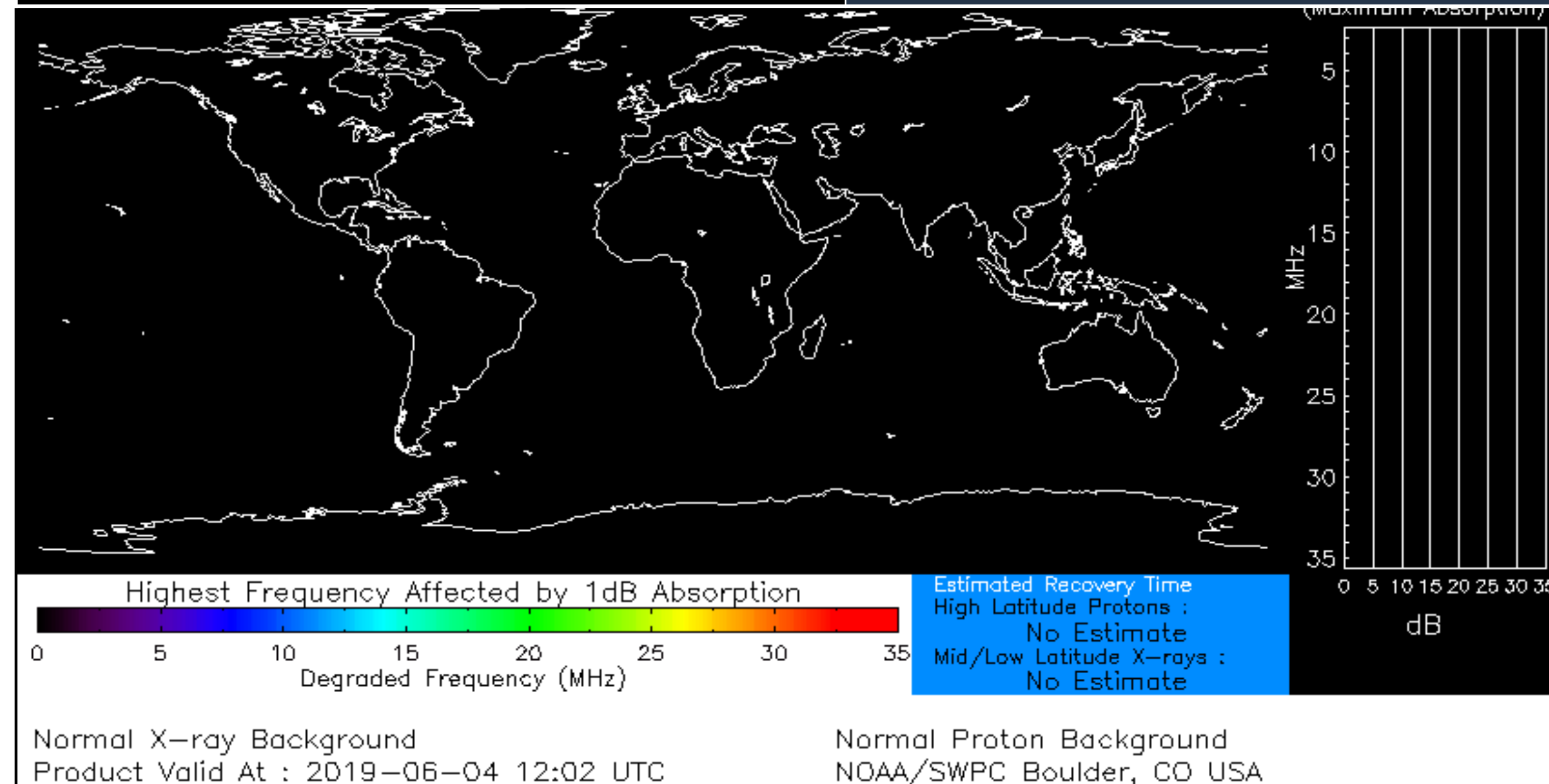


# Space Weather 3-Day Forecast



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	Tuesday	Wednesday	Thursday
<b>Geomagnetic Storms</b>	<b>Quiet to Unsettled (Max Kp = 3)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**